

Message Text

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USOECD

E.O. 11652: N/A

TAGS: ENRG, IEA

SUBJECT: ENERGY: IEA/SLT - U.S. INDUSTRIAL ENERGY
CONSUMPTION

USOECD - PASS TO P. KELLY AND R. GRADIN, IEA SECRETARIAT

1. IN RESPONSE TO YOUR MARCH 16 PLEA FOR HELP REGARDING
THE NEED FOR CONSISTENT ENERGY CONSUMPTION FIGURES FROM
THE U.S., WE SUBMIT THE FOLLOWING:

THERE IS NO SINGLE OFFICIAL, UNAMBIGUOUS SOURCE WITHIN
THE DEPARTMENT OF ENERGY (DOE) FOR ENERGY CONSUMPTION
FIGURES. WITHIN THE RECENTLY ORGANIZED DOE, THERE ARE
AT LEAST FOUR DATA SOURCES. THE PRIMARY SOURCE OF
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ENERGY USAGE DATA IS THE BUREAU OF MINES (BOM). HOWEVER,
DUE TO DIFFERENCES IN ASSUMPTIONS REGARDING THE END-USE
OF CERTAIN FUELS AND SECTORIAL DEFINITIONS, AND DIFFERENT
ENERGY CONVERSION FACTORS AND DATA AGGREGATION, THE
FOUR DOE CONSUMPTION ESTIMATES DIFFER FROM EACH OTHER.
ADDITIONALLY, THE ORGANIZATION FOR ECONOMIC
COOPERATION AND DEVELOPMENT (OECD) HAS ITS OWN ENERGY

2. THE DOE WILL BE RESOLVING ITS OWN INTERNAL DATA CONFLICTS. FURTHERMORE, MR. MARK RODEKOH, DEPUTY CHIEF OF THE INTERNATIONAL ANALYSIS DIVISION, ENERGY INFORMATION ADMINISTRATION, DOE, WILL BE IN PARIS IN EARLY MAY TO RESOLVE DATA DIFFERENCES THAT EXIST BETWEEN DOE AND OECD. MR. PETER HUGGINS WILL BE HIS CONTACT. MARK WILL DISCUSS THIS MATTER WITH MR. KELLY AND WHOEVER IS APPROPRIATE WITHIN THE IEA. DAN HICKEY HAS INFORMED MR. KELLY ABOUT MARK'S VISIT.

3. ALTHOUGH FOR THE TIME BEING THERE IS SOME CONFUSION REGARDING U.S. ENERGY CONSUMPTION FIGURES, IF ANY ONE OF THE SEVERAL ENERGY CONSUMPTION DATA SETS ARE USED TO COMPARE TRENDS IN ENERGY USE, THE RELATIONSHIPS OVER TIME ARE GENERALLY CONSISTENT REGARDLESS OF THE DATA SET USED. SEE THE FOLLOWING TABLE FOR COMPARISONS OF INDUSTRIAL ENERGY CONSUMPTION ESTIMATES. PROBLEMS OCCUR WHEN DIFFERENT DATA SETS OR DIFFERENT LEVELS OF AGGREGATION WITHIN A DATA SET ARE USED FOR DIFFERENT YEARS.

WE CANNOT AT THIS TIME SUGGEST WHICH DATA SET MAY BECOME DOE'S OFFICIAL FIGURES. WE CAN, HOWEVER, ADDRESS THE CONCERN YOU HAVE REGARDING THE RELATIONSHIP BETWEEN 1973 AND 1976 INDUSTRIAL ENERGY USE.

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THE VARIOUS DOE ESTIMATES INDICATE THAT U.S. INDUSTRIAL ENERGY CONSUMPTION INCLUDING NON-ENERGY USE HAS DECLINED ABOUT 8 TO 10 PERCENT BETWEEN 1973 AND 1976. THE OECD ESTIMATES A 21 PERCENT DECLINE, (WE SUSPECT DEFINITIONAL PROBLEMS WITH THE OECD FIGURES). FOR THE TIME BEING, WE SUGGEST YOU USE THE BUREAU OF MINES DATA AS IT IS PRIMARY SOURCE MATERIAL. REGARDING OUR REPLY THE SECRETARIAT PAPER ON ENERGY CONSERVATION IN INDUSTRY IN THE IEA (IEA/SLT(78)6, 1ST REVISION), WE SUGGEST THE FOLLOWING:

-- TABLE 2, PAGE 23: THE U.S. INDUSTRIAL ENERGY CONSUMPTION FIGURES FOR 1973 SHOULD BE 594.4 MTOES. (516.7 MTOES DIRECT USE; 77.7 MTOES NON-ENERGY USE.) FOR 1976, THIS NUMBER SHOULD BE 545.9 MTOES. (474.1 MTOES DIRECT ENERGY USE; 71.8 MTOES NON-ENERGY USE.)

WE BELIEVE ONCE THESE DEFINITIONAL PROBLEMS ARE WORKED OUT AND AN OFFICIAL U.S. ENERGY CONSUMPTION SOURCE IS ESTABLISHED, OUR PROBLEMS WILL LARGELY DISAPPEAR.

4. INDUSTRIAL ENERGY CONSUMPTION ESTIMATES FOR 1973

AND 1976 (INCLUDES NON-FUEL USE)

	PERCENT DIFFERENT		
	BETWEEN 1975		
SOURCE	1973	1976	AND 1976

INTERFUEL STATISTICS

DIVISION, EIA

QUADS	24.5	21.9	-10.3
MTOE	616.7	552.8	

MONTHLY ENERGY REVIEW

QUADS	23.6	21.8	-7.8
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BUREAU OF MINES

QUADS	23.6	21.7	-8.1
MTOE	594.4	545.9	

SECRETARIAT

MTOE	432.0	399.2	-7.6
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PRELIMINARY

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